WHAT IS CLAIMED IS:

1. A data processing apparatus comprising:

input means for inputting data to be transmitted;

extracting means for extracting a particular

5 portion of the data input from the input means;

encrypting means for encrypting the particular

portion extracted by the extracting means; and

transmitting means for transmitting the particular

portion encrypted by said encrypting means and a

10 remaining portion not extracted by the extracting

means.

2. A data processing apparatus according to claim

1, wherein the data is print data, and the extracting

15 means extracts a print control code from the print data

as the particular portion.

3. A data processing apparatus according to claim

1, wherein the data is image data whose one pixel has a

20 plurality of bits, and the extracting means extracts

predetermined upper bits of each pixel from the image

data as the particular portion.

4. A data processing apparatus according to claim

25 1, wherein the data is voice data encoded into codes

each having a plurality of bits, and the extracting

means extracts predetermined discrete bits of each code

from the encoded voice data as the particular portion.

5.   A data processing apparatus according to claim 4, wherein the extracting means extracts bits at a predetermined interval of bits from each code.

6.   A data processing apparatus according to claim 1, wherein the data is data compressed by using a conversion table, and the extracting means extracts the conversion table from the compressed data as the particular portion.

7.   A data processing apparatus according to claim 1, wherein the transmitting means comprises:
    transmission buffer means;
    synthesizing means for synthesizing the particular portion encrypted by the encrypting means and the remaining portion not extracted by the extracting means, on the transmission buffer means; and
    transmission control means for controlling to transmit data synthesized by the synthesizing means.

8.   A data processing apparatus comprising:
    receiving means for receiving data;
    extracting means for extracting an encrypted portion from data received by the receiving means;
    analyzing means for analyzing the extracted

portion extracted by the extracting means; and

output means for outputting the portion analyzed by the analyzing means and a remaining portion not extracted by the extracting means.

9. A data processing apparatus according to claim 8, wherein the data is print data, and the encrypted portion is a print control code.

10. A data processing apparatus according to claim 8, wherein the data is image data whose one pixel has a plurality of bits, and the encrypted portion is predetermined upper bits of each pixel of the image data.

11. A data processing apparatus according to claim 8, wherein the data is voice data encoded into codes each having a plurality of bits, and the encrypted portion is predetermined discrete bits of each code.

12. A data processing apparatus according to claim 11, wherein the encrypted portion is bits of each code at a predetermined interval of bits.

13. A data processing apparatus according to claim 8, wherein the data is data compressed by using a

conversion table, and the encrypted portion is the
conversion table.

14. A data processing apparatus according to
claim 8, wherein the output means comprises:

output buffer means;

synthesizing means for synthesizing the particular
portion encrypted by the encrypting means and the
remaining portion not extracted by the extracting
means, on the output buffer means; and

output control means for controlling to transmit
data synthesized by the synthesizing means.

15. A data processing method comprising:

an input step of inputting data to be transmitted;

an extracting step of extracting a particular
portion of the data input at the input step;

an encrypting step of encrypting the particular
portion extracted at the extracting step: and

a transmitting step of transmitting the particular
portion encrypted at the encrypting step and a
remaining portion not extracted at the extracting step.

16. A data processing method comprising:

a receiving step of receiving data;

an extracting step of extracting an encrypted
portion from data received at the receiving step;

an analyzing step of analyzing the extracted

portion extracted at the extracting step; and

an output step of outputting the portion analyzed

at the analyzing step and a remaining portion not

5   extracted at the extracting step.

17.   A computer readable storage medium storing a

data processing program for controlling a computer to

perform data processing, said program comprising codes

10   for causing the computer to perform:

an input step of inputting data to be transmitted;

an extracting step of extracting a particular

portion of the data input at the input step;

an encrypting step of encrypting the particular

15   portion extracted at the extracting step: and

a transmitting step of transmitting the particular

portion encrypted at the encrypting step and a

remaining portion not extracted at the extracting step.

20   18.   A computer readable storage medium storing a

data processing program for controlling a computer to

perform data processing, said program comprising codes

for causing the computer to perform:

a receiving step of receiving data;

25   an extracting step of extracting an encrypted

portion from data received at the receiving step;

an analyzing step of analyzing the extracted

portion extracted at the extracting step; and

an output step of outputting the portion analyzed at the analyzing step and a remaining portion not extracted at the extracting step.

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